

EFFECT OF SEVERAL HERBS ON THE POPULATION OF
Sitophilus oryzae

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ABSTRACT

THE EFFECT OF SEVERAL HERBS ON THE POPULATION OF *Sitophilus oryzae*

The purpose of this study was to investigate the effect of selected fresh local herbs on alive *Sitophilus oryzae*, which also known as rice weevil. This study was conducted by using 9 samples of fresh herbs obtained from local wet markets and supermarket in Kuala Pilah, Negeri Sembilan. *Sitophilus oryzae* was obtained from infested rice storage, and reared in laboratory. The main observation of this study is to record the mortality rate of *Sitophilus oryzae*, provided with five days of treatment period. The samples tested are *Pandanus amarylifolius* (Pandanus leaves), *Cymbopogon citratus* (lemongrass), *Etlingera elatior* (torch ginger), *Piper betel* (betel leaves), *Citrus hystrix* (kaffir lime) leaves, *Murraya koenigii* (curry) leaves, *Zingiber officinale* (ginger), *Capsicum frutescens* (bird eye chili) and *Curcuma longa* (turmeric). The most effective herbs which can kill the most number of *Sitophilus oryzae* individuals is *Capsicum frutescens* while the least effective herb is *Piper betel*.